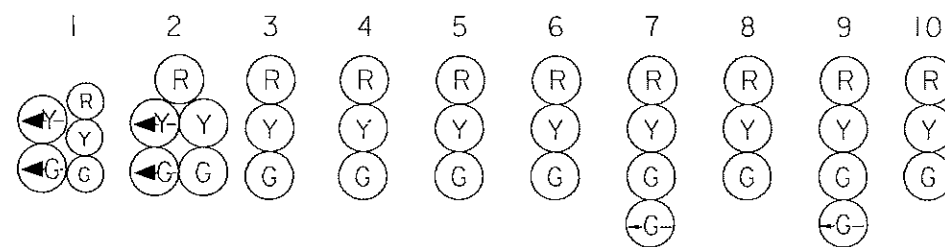


PHASE CHART



PHASE 2+5	←G←	←G←	G	R	R	R	R	R	R	R	←
2+5 CHANGE	←Y←	←Y←	G	R	R	R	R	R	R	R	←
PHASE 2+6	G	G	G	G	G	R	R	R	R	R	←
2+6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	←
PHASE 3	R	R	R	R	R	G	←G←	G	R	R	↓
3 CHANGE	R	R	R	R	R	Y	Y	Y	R	R	↓
PHASE 4	R	R	R	R	R	R	R	←G←	G		↓
4 CHANGE	R	R	R	R	R	R	R	Y	Y		↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	↓

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. CHARLIE WATKINS  
DISTRICT ENGINEER  
PHONE: (301) 513-7311

MR. MAJID SHAKIB  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358

MR. JOE GECKLE  
UTILITY ENGINEER  
PHONE: (301) 513-7350

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

THE POWER COMPANY REPRESENTATIVE IS:  
BALTIMORE GAS AND ELECTRIC COMPANY  
MR. JOSEPH G. BUNCH  
SUPERVISOR  
INDUSTRIAL/COMMERCIAL SERVICES  
NEW BUSINESS CONSTRUCTION  
PHONE: (410) 859-9030

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT MD 197 AND B/W PARKWAY NORTHBOUND RAMP (RAMP C-1) IN PRINCE GEORGE'S COUNTY. MD 197 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

DURING TRAFFIC CONTROL STAGE 1A THE INTERSECTION WILL OPERATE IN A NEMA (5) FIVE-PHASE FULL-TRAFFIC-ACTUATED MODE WITH SOUTHBOUND AND NORTHBOUND MARYLAND 197 APPROACHES OPERATING CONCURRENTLY. THE RAMP FROM B/W PARKWAY AND SNOWDON ROAD APPROACHES WILL OPERATE AS SPLIT PHASES. EXCLUSIVE LEFT TURN PHASING WILL BE PROVIDED FOR MD 197 SOUTHBOUND.

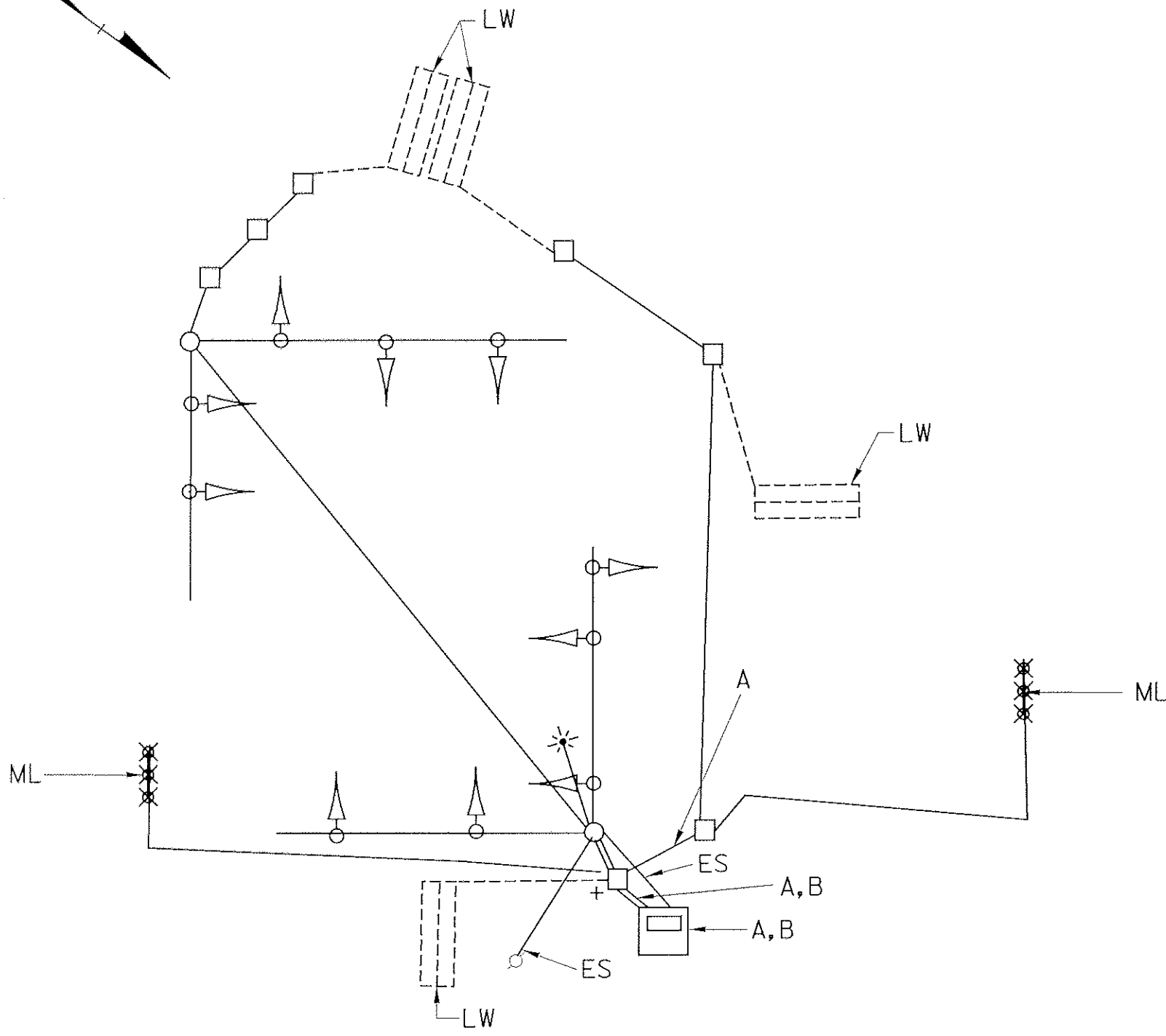
MAINTENANCE OF TRAFFIC

THE TRAFFIC CONTROL NUMBERS SHALL BE REFERENCED FOR THE PROJECT

STANDARD NO. MD-105.00  
STANDARD NO. MD-105.01  
STANDARD NO. MD-105.02  
STANDARD NO. MD-105.101 (FLAGGING OPERATION)  
STANDARD NO. MD-105.103 (INTERSECTION FLAGGING OPERATION)

STANDARD NO. MD-105.105 (SHOULDER WORK)  
STANDARD NO. MD-105.107 (LANE SHIFT)  
STANDARD NO. MD-105.109 (LANE SHIFT)  
NOTE: STANDARDS TO BE MODIFIED BY REPLACING W21-5 SIGN WITH A W29-1 SIGN (ROAD WORK AHEAD).

WIRING DIAGRAM



WIRING KEY

A, B } MICRO LOOP PROBE SET

LW - LOOP WIRE (NO. 14 A.W.G.)

ES - EXISTING SERVICE

ML - MICRO LOOP PROBE SET

+ - 3/4 IN. x 10 FT. GROUND ROD

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
813	973023	7 S.F.	SHEET ALUMINUM SIGNS  - 1 EACH R3-2R SIGN (30"x30") *TURN PROHIBITION - NO LEFT TURN* MAST ARM MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
—	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
814	860265	2 EACH	RELOCATE EXISTING SIGNAL HEAD
814	800000	25 S.F.	RELOCATE EXISTING SIGN
813	800000	7 S.F.	INSTALL OVERHEAD SIGN
—	114245	60 L.F.	FURNISH AND INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE ).
—	800000	1 EACH	COVER SIGNAL
810	800000	2 EACH	MICRO PROBE SET WITH 500 FT. LEAD - IN.
805	800000	5 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON - METALLIC CONDUIT FOR DETECTOR SLEEVE.
805	805011	25 L.F.	FURNISH AND INSTALL 1" GALVANIZED ELECTRICAL CONDUIT FOR DETECTOR SLEEVE.
—	100000	100 L.F.	FURNISH AND INSTALL 5 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE

CONSTRUCTION DETAILS

- A. RELOCATE SIGNAL HEADS AND SIGNS AS SHOWN
- B. NOT USED.
- C. NOT USED.
- D. FURNISH AND INSTALL 24 IN. WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE ).
- E. NOT USED
- F. NOT USED.
- G. INSTALL 1" FLEXIBLE NON - METALLIC ELECTRICAL CONDUIT ( DETECTOR WIRE SLEEVE ).
- H. INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT ( DETECTOR WIRE SLEEVE ).
- I. INSTALL MICRO - LOOP PROBE SET WITH 500 FT. LEAD - IN
- J. INSTALL 5' WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE
- K. REMOVE SIGN.

ADDENDUM

STAGE 1A  
TEMPORARY TRAFFIC SIGNALS

SS-II

MDOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE # 160197II.69

DRAWN BY: SMH  
DES. BY: SMH/DLA  
CHK. BY: BJH

MD 197 AT SNOWDEN RD./RAMP C-1  
SIGNAL PLAN

COUNTY: PRINCE GEORGE'S

DATE: FEBRUARY, 1999 F.A.P. NO. SEE TITLE SHEET  
SCALE: N/A S.H.A. NO. N/A

TS/STD. NO.: SHEET NO.  
3582B-X1A-G11 126A OF 367

RUMMEL, KLEPPER  
& KAHL, LLP  
CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217

TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS:	APPROVALS:
	CHIEF SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER - TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

February, 1999  
Reconstruct Due To New  
Geometrics. SHA No: N/A